

99C-126

4.5 PSP Cover Sheet (Attach to the front of each proposal)

Proposal Title: Watershed Restoration & Implementation Strategy for Dry Creek
 Applicant Name: Nevada County Resource Conservation District
 Mailing Address: 113 Presley Way, Suite #1 Grass Valley, CA 95945
 Telephone: (530) 272-3417
 Fax: (530) 477-8055
 Email: ncrcd@oro.net

Amount of funding requested: \$ 320,619 for 1 years

Indicate the Topic for which you are applying (check only one box).

- | | |
|---|---|
| <input type="checkbox"/> Fish Passage/Fish Screens | <input type="checkbox"/> Introduced Species |
| <input type="checkbox"/> Habitat Restoration | <input type="checkbox"/> Fish Management/Hatchery |
| <input checked="" type="checkbox"/> Local Watershed Stewardship | <input type="checkbox"/> Environmental Education |
| <input type="checkbox"/> Water Quality | |

Does the proposal address a specified Focused Action? yes ☒ no

What county or counties is the project located in? Nevada and Yuba

Indicate the geographic area of your proposal (check only one box):

- | | |
|---|---|
| <input type="checkbox"/> Sacramento River Mainstem | <input type="checkbox"/> East Side Trib: _____ |
| <input checked="" type="checkbox"/> Sacramento Trib: <u>Dry Creek/Bear R.</u> | <input type="checkbox"/> Suisun Marsh and Bay |
| <input type="checkbox"/> San Joaquin River Mainstem | <input type="checkbox"/> North Bay/South Bay: _____ |
| <input type="checkbox"/> San Joaquin Trib: _____ | <input type="checkbox"/> Landscape (entire Bay-Delta watershed) |
| <input type="checkbox"/> Delta: _____ | <input type="checkbox"/> Other: _____ |

Indicate the primary species which the proposal addresses (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | <input type="checkbox"/> Spring-run chinook salmon |
| <input type="checkbox"/> Winter-run chinook salmon | <input checked="" type="checkbox"/> Fall-run chinook salmon |
| <input type="checkbox"/> Late-fall run chinook salmon | <input type="checkbox"/> Longfin smelt |
| <input type="checkbox"/> Delta smelt | <input checked="" type="checkbox"/> Steelhead trout |
| <input type="checkbox"/> Splittail | <input type="checkbox"/> Striped bass |
| <input type="checkbox"/> Green sturgeon | <input type="checkbox"/> All chinook species |
| <input type="checkbox"/> Migratory birds | <input type="checkbox"/> All anadromous salmonids |
| <input type="checkbox"/> Other: _____ | |

Specify the ERP strategic objective and target (s) that the project addresses. Include page numbers from January 1999 version of ERP Volume I and II:

Natural Floodplain & Flood processes, target 1, vol. II, page 296.
Central Valley stream temperature, target 1, vol. II, page 297.
Freshwater fish habitat, target 1, vol. II, page 299.

Indicate the type of applicant (check only one box):

- | | |
|--|--|
| <input type="checkbox"/> State agency | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> Non-profit |
| <input type="checkbox"/> Local government/district | <input type="checkbox"/> Private party |
| <input type="checkbox"/> University | <input checked="" type="checkbox"/> Other: <u>Special District</u> |

Indicate the type of project (check only one box):

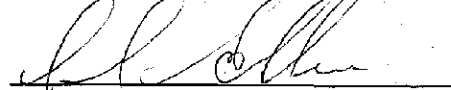
- | | |
|--|---|
| <input checked="" type="checkbox"/> Planning | <input type="checkbox"/> Implementation |
| <input type="checkbox"/> Monitoring | <input type="checkbox"/> Education |
| <input type="checkbox"/> Research | |

By signing below, the applicant declares the following:

- 1.) The truthfulness of all representations in their proposal;
- 2.) The individual signing the form is entitled to submit the application on behalf of the applicant (if the applicant is an entity or organization); and
- 3.) The person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section 2.4) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

David Gallino

Printed name of applicant



Signature of applicant

II. Title Page

**WATERSHED RESTORATION PLAN AND IMPLEMENTATION STRATEGY FOR
DRY CREEK**

Applicant:

Nevada County Resource Conservation District
113 Presley Way - Suite One
Grass Valley, CA 95945
Contact: Stephanie Lightner
Telephone: (530) 272-3417
Fax: (530) 477-8055
Email: ncred@oro.net

with participation from

Beale Air Force Base

Type of Organization: Special District
Tax Identification Number: 94-6037651

RFP Project Group Type: Watershed Stewardship

April 16, 1999

III. Executive Summary.

A. Project Title and Applicant Name - Dry Creek Watershed Restoration Plan and Implementation Strategy (Restoration Plan). Nevada County Resource Conservation District.

B. Project Description and Biological/Ecological Objectives - The proposed project is the first phase of a watershed restoration program for Dry Creek and its watershed in Nevada and Yuba Counties. Dry Creek is a tributary to the lower Bear River. The upper creek and tributary streams pass through the Spenceville Wildlife Area. Watershed habitats support steelhead trout and fall-run chinook salmon, as well as a wide array of native resident fish, wildlife, and plant species some of which are listed state and federal threatened, endangered, or special status species.

The Nevada County Resource Conservation District and its participating sponsors propose to develop a plan and strategy for maintaining, enhancing, and restoring aquatic and terrestrial habitats, ecosystem processes, and other resource values in the Dry Creek watershed while maintaining and enhancing the agricultural economic viability and flood management capacity of the watershed. The project sponsors will organize other local stakeholders including landowners with diverse interests in the watershed to plan and implement a restoration strategy that meets CALFED goals and objectives. The plan and strategy will help to guide, coordinate, and integrate local watershed activities and programs some of which are already underway by individual entities including the project sponsors. The primary objectives are to: (1) involve local stakeholders in planning restoration; (2) determine major issues involved in ecosystem restoration; (3) determine major information and data needs to conduct restoration; (4) define key ecosystem processes, habitats, and stressors that potentially limit salmon and steelhead populations; (5) develop a watershed restoration plan and implementation strategy that will lead to recovery of salmon and steelhead populations in Dry Creek.

C. Approach/Tasks/Schedule - The project approach is to combine and enhance the limited resources of the sponsors with experienced consultant support that will solicit local stakeholder and agencies input in developing a plan and strategy for protecting, enhancing, and restoring resource values. The approach includes organizing local stakeholders into a community-based watershed stewardship group, increasing learning and awareness of stakeholders, addressing multiple watershed issues, coordinating issues and developing solutions, prioritizing problems and solutions, developing a strategy for implementing solutions, and identifying information needs. The above approach has been organized into the following tasks: (1) Organize Stewardship Group, (2) Prepare Watershed Description, (3) Conduct Meetings and Workshops, (4) Prepare Watershed Restoration Implementation Strategy, and (5) Project management. Phase 1 is envisioned as a 1-year effort.

D. Justification for Project and Funding by CALFED - The Dry Creek watershed is a mosaic of stressed ecological habitats impacted by various agricultural and rural suburban

uses. No watershed level plan currently exists for the Dry Creek watershed. Individual restoration efforts of Beale Air Force Base and Spenceville Wildlife Area are not at present coordinated or focused on addressing all of the ecosystem processes, habitats, species, and stressors identified in CALFED's ERPP. With a comprehensive plan supported by local stakeholders, ecosystem restoration in the watershed can commence and lead to improvements in the populations of salmon and steelhead, as well as other fish and wildlife in the watershed.

E. Budget/Cost and Third-Party Impacts - The estimated cost of preparing the Watershed Restoration Plan is \$320,619.10. Ranchers, landowners, developers, cities, and reclamation districts may view the process and the likely strategies that would result as being counter to their interests.

F. Applicant Qualifications - The Watershed Restoration Plan and Implementation Strategy for Dry Creek will be conducted by members of the Nevada County Resource Conservation District and Foster Wheeler Environmental Corporation. Conservation District employees will be involved in overall program management and administration, technical oversight, and public involvement. The technical components of the watershed assessment will be performed by Foster Wheeler Environmental Corporation, an international environmental consulting firm with west coast offices in Sacramento, Costa Mesa, San Diego, Portland, and Seattle. Foster Wheeler staff are experienced in hydrology, geology and geomorphology, aquatic ecology and fisheries, riparian habitat, stream channel assessment, water quality, terrestrial vegetation, GIS and in the use of various watershed assessment techniques.

G. Monitoring and Data Evaluation - The watershed assessment will contribute to an adaptive management approach to solving watershed problems by providing important information to restoration programs and allowing focus on key factors affecting watershed health. Early program phases will include data collection, review, analyses, and some field verification of existing information. A limited amount of monitoring is proposed to obtain some essential information to develop the framework of the watershed description. The project is not designed to monitor watershed conditions, but will identify information needs.

Local Support/Coordination with Other Programs/Compatibility with CALFED Objectives - Potential local support will likely come from several groups that have been made aware of the proposed project including Beale Air Force Base, Spenceville Wildlife Area (California Department of Fish and Game Region II), Yuba County Resource Conservation District, and Nevada County Land Trust. Beale Air Force Base has chosen to be a participant with the Resource Conservation District for this project. The proposed project will coordinate with individual restoration efforts of Beale Air Force Base and Spenceville Wildlife Area and develop a plan that is consistent the identified ecosystem process, habitats, species, and stressors identified in CALFED's ERPP.

IV. Project Description.

A. Proposed Scope of Work.

The proposed project is the first phase of a watershed restoration program for Dry Creek and its watershed in Nevada and Yuba Counties (Figure 1). Nevada County Resource Conservation District and its collaborators (project sponsors) propose to develop a plan and strategy for maintaining, enhancing, and restoring ecosystem processes, aquatic and terrestrial habitats, and other resource values in the watershed of Dry Creek, a tributary of the Bear River. The plan and strategy will also focus on maintaining and enhancing agricultural economic viability and the flood management system of the watershed. The project sponsors propose to organize other local stakeholders, including landowners, with diverse interests in the watershed to plan and implement a restoration strategy that meets CALFED goals and objectives. The plan and strategy would help to guide, coordinate, and integrate local watershed activities.

Though Dry Creek is not specifically called out in CALFED's Ecosystem Restoration Program Plan, it is a major component of the lower Feather and the Bear River watershed systems. It presently supports small wild populations of fall-run chinook salmon and steelhead. These small populations may be expanded with habitat improvements, thus contributing to the CALFED and Central Valley Project Anadromous Fish Restoration Program (AFRP) goals and objectives.

The project approach is to combine and enhance the limited resources of the sponsors with experienced consultant support into a project team to solicit support and input from local stakeholders and state and federal agencies in developing a plan and strategy for protecting, enhancing, and restoring resource values in the Dry Creek watershed. The approach includes organizing local stakeholders into a community-based watershed stewardship group, increasing learning and awareness of stakeholders, addressing multiple watershed issues, coordinating issues and developing solutions, prioritizing problems and solutions, developing a strategy for implementing solutions, and identifying information needs. The above approach has been organized into a series of fundable tasks beginning with organizing a stakeholder stewardship group.

Task 1. Organize Stewardship Group

The project team consisting of the sponsors' staff and a consultant experienced with watershed restoration activities will organize a stewardship group for the Dry Creek watershed. Project staff will identify and solicit involvement from local stakeholders including landowners, water users, resource and planning agencies, local government, conservation organizations, farmers and ranchers, and other citizens. Initial organization efforts will involve communication via phone calls, meetings with individuals and groups, public notices, newsletters, and information on an internet site. Project staff experienced in stakeholder processes will lead this effort. Information will be developed to support the

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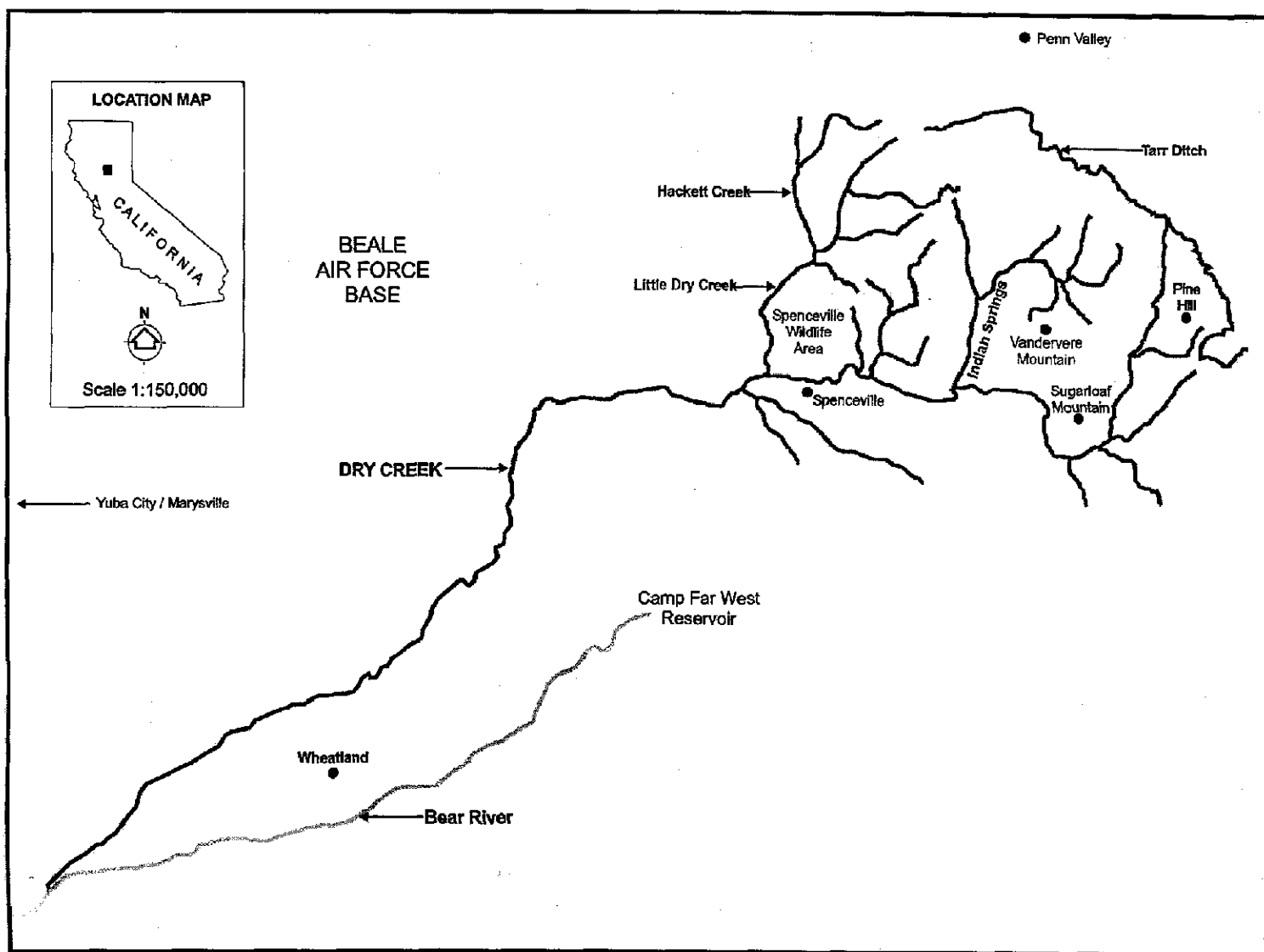


Figure 1. Dry Creek

1-017838

solicitation process that describes the program, its purpose, and interest in involving local stakeholders in the process.

Task 2. Prepare Watershed Description

An essential element in the process will be developing a description of the watershed and its ecological resources. The information will be a critical element of the learning process for stakeholders and will eventually lead to the restoration plan and implementation strategy.

The watershed description will include an inventory of watershed conditions, habitats, habitat conditions, special status species, ecosystem processes (e.g., hydrology, sediment transport), and ecosystem stressors (e.g., urban and agricultural development) that can be used in the planning process to identify issues, restoration options, problems, priorities, and solution options. The project would employ tools such as GIS maps and analyses, watershed assessment models, and discussion papers on topical issues. Such a watershed description is essentially a small-scale watershed assessment which identifies existing water quality and conditions and identifies the likely stressors that result in these conditions.

The watershed description will be a layman's document that describes the physical, chemical, and biological features of the watershed in the CALFED Environmental Restoration Program format, beginning with ecosystem processes such as hydrology, aquatic and terrestrial habitats, species, and stressors. The description will include maps of the watershed and its key features. The watershed description will later become a section of the watershed plan and strategy document.

Task 3. Conduct Meetings and Workshops

Both informal and formal meetings and workshops are proposed among stakeholders and interested parties. Formal public meetings will be conducted by an experienced facilitator. Workshops with agency experts may be desired when the topic is scientific and the purpose is to disseminate information. Agendas, notes, and minutes will be developed for formal meetings and workshops. Schedules of meetings and workshops will be posted in newsletters and on a webpage. Information from these meetings and workshops will be used in the preparation of the watershed restoration implementation strategy.

Task 4. Prepare Watershed Restoration Implementation Strategy

Project staff will prepare a Draft Watershed Restoration Implementation Strategy for general distribution and review and comment. The Strategy will consist of an implementation plan with restoration action priorities and a detailed strategy of how the watershed group will implement the plan. The Strategy will include major issues identified during meetings and workshops, alternative approaches for resolving specific issues, and cost and other constraints (e.g., logistics, regulatory compliance, scientific uncertainty) that may affect implementation of a restoration program.

Task 5. Project Management

An NCRCD staff person is proposed to manage the project at varying degrees of intensity over the one-year duration of the project. The project coordinator will work with NCRCD staff and project participants, and plan, schedule, oversee, and document all project activities, including contract services support and oversight.

One of the roles of the project staff will be project management. Project management will include administration of the project grant, overseeing project tasks, schedules, and deliverables, and contacts with granting agencies and CALFED. In addition, project management will include coordinating project activities, schedules, deliverables, and communications (meetings, newsletters, and webpage). The project management task also includes consultant costs for this task.

B. Location and/or Geographic Boundaries of the Project.

Dry Creek is a tributary to the lower Bear River in southeastern Yuba County and southwestern Nevada County (Figure 1). A major portion of the lower creek passes through Beale Air Force Base in Yuba County before entering into the Bear River near its mouth on the Feather River. The upper creek and tributary streams pass through the Spenceville Wildlife Area managed by CDF&G Region II. The upper watershed consists of foothill headwater streams that begin southwest of Grass Valley.

The watershed is a mosaic of habitats with agricultural and urban uses. Dry Creek and its watershed habitats support Central Valley steelhead trout, a federally designated threatened species, and fall-run chinook salmon, a proposed federally threatened species. The watershed is also home to a wide array of native Central Valley resident fish, wildlife, and plant species, some of which are listed state and federal threatened, endangered, or special status species.

V. ECOLOGICAL/BIOLOGICAL BENEFITS

Ecological/Biological Objectives.

The following are the primary objectives of the project:

1. Involve local stakeholder in planning ecosystem restoration in the Dry Creek watershed.
2. Define key ecosystem processes, habitats, and stressors that potentially limit salmon and steelhead populations and other ecosystem values in the Dry Creek watershed.
3. Develop a plan to implement ecological restoration in the Dry Creek watershed that will lead to recovery of salmon and steelhead populations in Dry Creek.
4. Determine major issues involved in ecosystem restoration in the Dry Creek watershed.

5. Determine major information and data needs to conduct ecosystem restoration in the Dry Creek watershed.
6. Develop a strategy for how local stakeholders will implement an ecosystem restoration program in the Dry Creek watershed.

Project Need - The proposed project would develop a plan and strategy for ecosystem restoration in the Dry Creek watershed. No watershed level plan exists for the watershed as yet. Individual restoration efforts of Beale Air Force Base and Spenceville Wildlife Area are not at present coordinated or focused on all the identified ecosystem process, habitats, species, and stressors identified in CALFED's ERPP. With a comprehensive plan supported by local stakeholders, ecosystem restoration in the watershed can begin and hopefully will lead to improvements in the populations of salmon and steelhead, as well as other fish and wildlife species, communities, and their habitats. Though much of the watershed is in public ownership (Spenceville Wildlife Area and Beale Air Force Base), the watershed is disturbed from past mining, grazing, agricultural, and urban development. Levees constrict the lower river channel, thus inhibiting natural stream meander and riparian and stream channel corridor development. These disturbances limit the capacity of the watershed to support salmon and steelhead. Hydrology, water quality, sediment, water temperature, riparian, wetland, and stream channel processes require restoration to allow improvement in the salmon and steelhead populations.

Expected benefits - The proposed project would identify the specific physical, chemical, and biological components of the watershed that are related to aquatic habitat conditions (hydrology, water quality, and coarse and fine sediment transport). Specifically, it will result in (1) improved watershed health, (2) healthier forest and grasslands, (3) improved wetlands and riparian corridors, (4) improved water quality and stream habitats (i.e., flow, water temperature, turbidity, and sediments), and (5) improved salmon and steelhead populations, native resident fishes, and wildlife, including rare and endangered species such as Swainson's hawks and giant garter snakes.

Primary Stressors - The primary stressors in the watershed to be addressed during the study are urban development, farming and ranching activities, roads, forest management practices, water management, dams, levees, diversions, floods, droughts, catastrophic fire, soil conditions, mass wastings (hillside slumping), mining, off-road vehicles, and other human activities.

Primary Species - These consist of fall-run chinook salmon, steelhead, native resident fish species, Swainson's hawk, giant garter snake, valley elderberry longhorn beetle, red-legged frog, vernal pool special status species, and other riparian and aquatic species.

Adaptive Management Framework and Ecosystem Approach - The watershed assessment will contribute to an adaptive management approach to solving watershed problems by providing important information to restoration programs and allowing focus on key factors that affect watershed health. An adaptive management approach is essential in involving local stakeholder and focusing limited restoration funds and other resources toward the greatest needs.

Linkages. The proposed project would coordinate with present and past planning efforts of Beale Air Force Base, Spenceville Wildlife Area, Nevada Irrigation District, Yuba County Water District, Nevada County RCD, Yuba County RCD, and Nevada Land Trust. In particular, it would also integrate with the Beale Air Force Base Integrated Natural Resource Monitoring Plan and the Habitat Conservation and Management Plan's Area Habitat Restoration, Management, and Monitoring Program. It would also link with specific plans of the Nevada County Land Trust to purchase lands or easements in the upper watershed to preserve wildlands and natural habitats. The project would also link with planning activities in adjoining watersheds, including a project on the South Yuba River sponsored by the Nevada County RCD.

System-wide Ecosystem Benefits. Because this project's purpose is to identify the primary stressors resulting in degraded water quality and aquatic habitat conditions and then to develop a Watershed Restoration Implementation Strategy, it has direct systemwide ecosystem benefits. Dry creek provides habitat for chinook salmon and steelhead. By providing a comprehensive means to understand and restore this system, the proposed project would be beneficial to all components of the CALFED program. Specific benefits may include restoring hydrology, water quality, and sediment processes that would translate downstream in a small way to improvements in the lower Feather and Sacramento rivers and the Bay-Delta. Improved wetlands in the watershed will reduce suspended sediment and pollutant loads carried in the river and downstream. Improved riparian vegetation will provide streambank protection from erosion, thus reducing suspended sediment loads downstream.

Compatibility with Non-Ecosystem Objectives. Because the project deals with hydrology and sediment and associated habitat, it will have direct effects on flood control, water supply, and water quality of the Bay-Delta system. The project should help toward meeting objectives of each of these components of the CALFED program. For example, wetlands will act as temporary storage areas for floodwaters, thus reducing downstream peak flows.

VI. TECHNICAL FEASIBILITY AND TIMING

The major implementation issue will be convincing local stakeholders with interests in the Dry Creek watershed to participate in developing a Watershed Restoration Implementation Strategy. Ranchers, landowners, developers, cities, and reclamation districts may view the process and the likely strategies that would result as being counter to their interests. The solution is organizing stakeholders and showing them that habitat improvements can be accomplished with minimal constraints on other activities. By approaching this project from a watershed perspective, all stakeholders will be able to see that all issues are being addressed, and no particular group is being singled out.

VII. MONITORING AND DATA COLLECTION

A limited amount of monitoring is proposed to obtain some essential information to develop the framework of the watershed description. The project is not designed to monitor watershed conditions, but will identify information needs. The project will collect available data on key watershed conditions, parameters, and stressors. Information will be obtained from agencies, universities, and other sources via the internet, libraries, and direct contacts. GIS data on the watershed will be obtained from the agencies, universities, and other available sources. All data will be stored in a GIS ARC-INFO and ARC-VIEW system.

Peer review will be sought on the project report by soliciting comments from state and federal resource agencies and local watershed stewardship groups. Comments and input will be sought from state, federal, and local governments and resource agencies, as well as from local stakeholder groups, local and state environmental organizations, and the public.

VIII. LOCAL INVOLVEMENT

In Yuba County, Dennis Poller has been notified of the proposed project. A copy of the notification letter is attached. In Nevada County, Pat Ward has been notified of the proposed project. Copies of the notification letters are attached.

The groups that are aware of the proposed project are Beale Air Force Base, Spenceville Wildlife Area (California Department of Fish and Game Region II), Yuba County Resource Conservation District, and Nevada County Land Trust. Beale Air Force Base has chosen to be a participant. Additionally, a presentation was made to the Yuba Watershed Council concerning this project, though the council has chosen to remain neutral about the project at present.

Currently, individuals or groups other than those indicated in the previous paragraph are unaware of the proposed project. Other affected landowners, facility owners, facility

operators, or other affected parties are not aware of the proposed project as yet. However, they will be part of the public involvement process.

Public Involvement. This component will be central to the process and will involve the input of local and regional stakeholders (e.g., landowners, interested public, government agencies, and environmental organizations) with an interest in the Dry Creek watershed. First, potentially interested groups and individuals will be identified by using a variety of means: canvassing already-involved parties and identifying and using mailing lists of state and federal government agencies, water districts, and environmental organizations. Other local stakeholders will be reached by placing advertisements in local newspapers. A special effort will be made to involve local residents in the rural areas of Spenceville, Penn Valley, and Forest Springs, particularly where rural development is expanding in the watershed. The aspects of the program will be presented, and the input of these various groups and individuals will be sought through two public meetings. Written input will also be solicited at these meetings and through directed mailings. In addition, to CALFED landscape level planning, we propose to work closely with staff from other local and regional programs, particularly the local land use plans, and the plans of Beale Air Force Base and the Spenceville Wildlife Area.

Specific third-party impacts cannot be identified at this time. The intent would be that, through the public involvement process, the watershed restoration plan and implementation strategy would incorporate the views of all stakeholders so that any such impacts would be identified and minimized. The identification of watershed issues (particularly potential conflicts) during the process, coupled with the public involvement process, is intended to keep potentially affected parties apprised of the program during its development so that such issues are addressed to the level possible in the plan, or if issues are not resolved, so that the affected parties are aware of the specific issues before preparation of final documents.

IX. COST

Budget - The total budget estimate is \$320,619.10. The budget includes the following tasks: Task 1 - Organize Stewardship Group; Task 2 - Prepare Watershed Description; Task 3 - Conduct Meetings and Workshop; Task 4 - Prepare Implementation Strategy; Task 5 - Project Management. Table 1 shows the budget by task broken down by hours, salary, service contract, expenses, and overhead and indirect costs. Table 2 shows the expected budget allocation by quarter.

Table 1. Sample Total Budget (CALFED funds only)

Task	Direct Labor Hours	Direct Salary and Benefits	Service Contracts	Material and Acquisition Costs	Misc. and other Direct costs	Overhead and Indirect Costs	Total Costs
1	320	7,177.60	38,590.60	200	1,000	5,788.59	52,756.10
2	120	2,691.60	109,972.70	200	100	16,495.91	129,460.21
3	200	4,486	45,088.02	200	500	6,763.20	57,037.22
4	120	2,691.60	55,586.84	200	100	8,338.03	66,916.47
5	160	3,588.80	9,094.70	200	250	1,364.21	14,497.71
						TOTAL	320,668.39

Table 2. Sample Quarterly Budget

Task	Quarterly Budget Oct-Dec 99	Quarterly Budget Jan-Mar 00	Quarterly Budget Aug-Jun 00	Quarterly Budget Jul-Sep 00	Quarterly Budget Oct-Dec 00	Total Budget
1	31,654.07	21,102.72				52,756.79
2		129,460.21				129,460.21
3		34,222.33	22,814.89			57,037.22
4			20,074.94	46,8461.53		66,916.47
5	3,624.43	3,624.43	3,624.43	3,624.43		14,497.71

Schedule - Preparation of a Watershed Restoration Implementation Strategy represents the first phase of a long-term restoration program for the Dry Creek watershed. Later phases include design, environmental documentation, and implementation. The project is scheduled over a one-year period from grant award to distribution of a Final Watershed Restoration Implementation Strategy. The project will include an array of deliverables that will track progress and document significant activities and decisions.

- Task 1: **Schedule:** Quarters 1 and 2. **Deliverables:** Potential and final stakeholder lists, facilitation methodology report, newsletters, technical memorandums.
- Task 2: **Schedule:** Quarter 2. **Deliverables:** Watershed description.
- Task 3: **Schedule:** Quarters 2 and 3. **Deliverables:** Meeting agendas, schedules, notices, meeting notes, meeting handout materials.
- Task 4: **Schedule:** Quarters 3 and 4. **Deliverables:** Draft and final Watershed Restoration Implementation Strategy and responses to comments.
- Task 5: **Schedule:** All Quarters. **Deliverables:** Progress reports and invoices.

X. COST-SHARING

No specific cost sharing is proposed, although considerable, and an indeterminant amount of in-kind services would be expected from project partners in data collection, review, and participation. Specifically, personnel from the Natural Resources Conservation Service and Beale Air Force Base would actively participate.

XI. APPLICANT QUALIFICATIONS

The Watershed Restoration Plan and Implementation Strategy for the Dry Creek would be conducted by members of Nevada County Resource Conservation District and the Watershed Assessment Team of Foster Wheeler Environmental. Nevada County Resource Conservation District employees would be involved in overall program management, administration, and public involvement. The technical components of the watershed assessment would be performed by Foster Wheeler Environmental, a consulting firm with approximately 1,500 employees nationwide. West Coast offices include Sacramento, Costa Mesa, San Diego, Portland, and Seattle. The Watershed Assessment Team of Foster Wheeler recently completed the EIR/EIS for the Headwaters Forest project which included aspects of watershed assessment. With respect to this specific project, Foster Wheeler Environmental:

- Has experienced personnel in necessary disciplines such as hydrology, geology and geomorphology, aquatic ecology and fisheries, riparian habitat, stream channel assessment, water quality, terrestrial vegetation, and GIS
- Has experienced personnel familiar with the CALFED Program including the ERP
- Has communicated with staff of Beale Air Force Base, participated in meetings of the Nevada County RCD, South Yuba River Citizens League, and Yuba Watershed Council
- Has technical personnel who are experienced at public involvement and outreach activities
- Has experience in using a variety of watershed assessment techniques
- Has a GIS laboratory with six, networked Sun Unix-based workstations running Arc-Info 7.13 and dual Pentium 400 megahertz personal computer running Arc-View 3.1

The following Foster Wheeler Environmental staff would be responsible for the technical components of the project:

- Tom Stewart, Ph.D.: team leader and watershed specialist
- Lynn Sprague, forest watershed specialist
- Tom Cannon: CALFED Ecosystem Restoration Program specialist, fisheries and aquatic ecology
- Iris Mayes: public involvement
- Brad Piehl: hydrology and water quality
- Brian Landau: geologist and geomorphologist
- Elizabeth Ablow: riparian habitat and fisheries

- Gray Rand: terrestrial vegetation
- Mary Jo Kochel: GIS

XII. COMPLIANCE WITH STANDARD TERMS AND CONDITIONS

The following forms are attached:

1. Nondiscrimination Compliance Statement
2. Application for Federal Assistance, Standard Form 424
3. Budget Information, Standard Form 424A
4. Assurances - Non-construction Programs, Standard Form 424B

Foster Wheeler Environmental Corporation proposes the following modifications to the terms of the Subcontract Agreement. Foster Wheeler Environmental Corporation wishes to emphasize that it attempts to maintain a flexible approach to contract terms and will work diligently toward fulfilling the desires of CALFED Bay-Delta Program within a framework that will allow an economically feasible project.

PROPOSED MODIFICATIONS

Attachment D - Terms and Conditions

9. Indemnification

Line four, after "resulting" please insert "from the extent of Contractor's negligence,"

Line seven, after "resulting" please insert "from the extent of Contractor's negligence,"

Line eight, after "who may be" please insert "directly"

Standard Clauses - Insurance Requirements

First paragraph, line two, please delete "not less than"

First paragraph, line two, please insert "per aggregate" after "per occurrence"

Item 2.

Line two, please insert "Contractor's negligence" after "the", and delete "operation"

Line two, please insert "is" after the word "contract" and delete the word "are"

Please insert the following new clauses

Contractor Liability

Notwithstanding any Article to the contrary contained in the Contract Documents, Contractor's total liability arising out of or in connection with the Contract or the Services, including without limitation any under Article[s] 7 and 9, and including any for damage to or loss of CLIENT'S property, shall in no event extend beyond one year after completion of the Services in question or exceed the total amount of compensation paid to Contractor hereunder

up to the maximum amount of \$250,000. The warranties and remedies set forth in Article[s] 7 and the Y2K Language in the Additional Standard Clauses section are exclusive. Contractor makes no other warranties, express or implied, with respect to its performance under this Contract. Contractor and its employees shall in no event be liable for any special, indirect or consequential damages, including specifically but without limitation, loss of profits or revenue, loss of use of any, facility or property, including real property, cost of capital, loss of goodwill, claims of customers, or similar damages. The foregoing shall apply to the fullest extent allowed by law irrespective of whether liability of Contractor is claimed, or found to be based in contract, tort or otherwise (including negligence, warranty, indemnity and strict liability).

Force Majeure.

Consultant shall not be considered in default in the performance of its obligations hereunder to the extent that such performance is delayed by causes outside its control and not due to its fault or negligence and not reasonably foreseeable or, if foreseeable, cannot be avoided by the exercise of all reasonable efforts, including acts of civil or military authority, acts of God, acts of war, acts of government, riot, insurrection, blockages, embargoes, sabotage, epidemics, fire, flood, and/or famine.

APPLICATION FOR FEDERAL ASSISTANCE

OMB Approval No. 0348-004

1. TYPE OF SUBMISSION:		2. DATE SUBMITTED	Applicant Identifier
<input type="checkbox"/> Application <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		4-16-99	Nevada Co. Resource Cons. Dist.
<input type="checkbox"/> Preapplication <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		3. DATE RECEIVED BY STATE	State Application Identifier
		4-16-99	CALFED
5. APPLICANT INFORMATION		4. DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier
		4-16-99	CALFED
Legal Name:		Organizational Unit:	
Nevada County Resource Conservation District		same	
Address (give city, county, State, and zip code):		Name and telephone number of person to be contacted on matters involving this application (give area code)	
113 Presley Way, Suite One Grass Valley, Nevada County, CA 95945		(530) 272-3417 Stephanie Lightner, Administrative Coordin.	
6. EMPLOYER IDENTIFICATION NUMBER (EIN):		7. TYPE OF APPLICANT: (enter appropriate letter in box)	
94 - 6037651		<input checked="" type="checkbox"/> G A. State B. County C. Municipal D. Township E. Interstate F. Intermunicipal G. Special District H. Independent School Dist. I. State Controlled Institution of Higher Learning J. Private University K. Indian Tribe L. Individual M. Profit Organization N. Other (Specify) _____	
8. TYPE OF APPLICATION:		9. NAME OF FEDERAL AGENCY:	
<input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) <input type="checkbox"/> <input type="checkbox"/> A. Increase Award B. Decrease Award C. Increase Duration D. Decrease Duration Other(Specify): _____		CALFED	
10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:		11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:	
TITLE: Nevada & Yuba Counties, CA		Watershed Restoration Plan and Implementation Strategy for Dry Creek	
13. PROPOSED PROJECT		14. CONGRESSIONAL DISTRICTS OF:	
Start Date	Ending Date	a. Applicant	b. Project
8-1-99	8-1-99	2nd Congressional District	2nd Congressional District
15. ESTIMATED FUNDING:		16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?	
i. Federal	\$ 320,619.00	a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON:	
ii. Applicant	\$ _____	DATE _____	
iii. State	\$ _____	b. No. <input type="checkbox"/> PROGRAM IS NOT COVERED BY E. O. 12372	
iv. Local	\$ _____	<input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW	
v. Other	\$ _____	17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?	
Program Income	\$ _____	<input type="checkbox"/> Yes If "Yes," attach an explanation. <input checked="" type="checkbox"/> No	
TOTAL	\$ 320,619.00		
8. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT, THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.			
Type Name of Authorized Representative		c. Title	c. Telephone Number
David Gallino		Vice-President, NCRCD Board of Directors	(530) 272-3417
Signature of Authorized Representative		d. Date Signed	
		4-15-99	

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Standard Form 424 (Rev. 7-87)
Prescribed by OMB Circular A-102

NONDISCRIMINATION COMPLIANCE STATEMENT

STD. 19 (REV. 3-95) FMC

COMPANY NAME

Nevada County Resource Conservation District

The company named above (hereinafter referred to as "prospective contractor") hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f) and California Code of Regulations, Title 2, Division 4, Chapter 5 in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, disability (including HIV and AIDS), medical condition (cancer), age, marital status, denial of family and medical care leave and denial of pregnancy disability leave.

CERTIFICATION

I, the official named below, hereby swear that I am duly authorized to legally bind the prospective contractor to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

OFFICIAL'S NAME

David Gallino for the Nevada County Resource Conservation District

DATE EXECUTED

4-15-99

EXECUTED IN THE COUNTY OF

Nevada

PROSPECTIVE CONTRACTOR'S SIGNATURE

PROSPECTIVE CONTRACTOR'S TITLE

Vice-President, Nevada County Resource Conservation District Board of Directors

PROSPECTIVE CONTRACTOR'S LEGAL BUSINESS NAME

Nevada County Resource Conservation District

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.


PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

- b. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11888; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL  David Gallino	TITLE Vice-President, Board of Directors - Nevada County Resource Conservation District
APPLICANT ORGANIZATION Nevada County Resource Conservation District	DATE SUBMITTED 4-15-99

Standard Form 424B (Rev. 7-87) Back



Nevada County Resource Conservation District

113 Presley Way, Suite 1 - Grass Valley, CA 95945 (530) 272-3417 - FAX (530) 477-8055

April 15, 1999

Pat Ward
Nevada County Board of Supervisors
950 Maidu Avenue
Nevada City, CA 95959

Dear Mr. Ward:

This letter is to inform you of a proposal for CALFED funds that the Nevada County Resource Conservation District (NCRCD) is submitting. Part of the CALFED proposal process is a request for notification of the counties in which proposal activities would take place. The proposal being submitted is titled "Watershed Restoration Plan and Implementation Strategy for Dry Creek." The Dry Creek referred to is that which flows through the Spenceville Wildlife Area and Beale Air Force Base before joining the Bear River. The creek headwaters are just to the west of Grass Valley.

If funded, the project would involve organizing a broad-based watershed stewardship group, developing a description of watershed conditions, conducting meetings and workshops to address watershed issues, and preparing a watershed restoration plan and implementation strategy. The project would focus on such issues as water quality and aquatic habitat, particularly with an orientation towards requirements for salmon and steelhead.

If you have any questions please call me or Ron Zinke at 272-3417.

Sincerely,

David Gallino
Vice President,
Nevada County Resource Conservation District
Board of Directors



Nevada County Resource Conservation District

113 Presley Way, Suite 1 – Grass Valley, CA 95945 (530) 272-3417 – FAX (530) 477-8055

April 15, 1999

Dennis Poller
Agricultural Commissioner, Yuba County
935 14th Street
Marysville, CA 95901

Dear Mr. Poller:

This letter is to inform you of a proposal for CALFED funds that the Nevada County Resource Conservation District (NCRCD) is submitting. Part of the CALFED proposal process is a request for notification of the counties in which proposal activities would take place. The proposal being submitted is titled "Watershed Restoration Plan and Implementation Strategy for Dry Creek." The Dry Creek referred to is that which flows through the Spenceville Wildlife Area and Beale Air Force Base before joining the Bear River. The creek headwaters are just to the west of Grass Valley.

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If you have any questions please call me or Ron Zinke at 272-3417.

Sincerely,

David Gallino
Vice President,
Nevada County Resource Conservation District
Board of Directors

BUDGET INFORMATION - Non-Construction Programs**SECTION A - BUDGET SUMMARY**

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Dry Creek Restoration Plan		\$	\$	\$ 320,668.39	\$	\$ 320,668.39
2.						
3.						
4.						
5. Totals		\$	\$	\$	\$	\$

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
a. Personnel	\$	\$	\$ 16,921.19	\$	\$ 16,921.19
b. Fringe Benefits			3,714.41		3,714.41
c. Travel			900.00		900.00
d. Equipment			400.00		400.00
e. Supplies			600.00		600.00
f. Contractual			258,332.86		258,332.86
g. Construction					
h. Other			1,050.00		1,050.00
i. Total Direct Charges (sum of 6a-6h)			281,918.46		281,918.46
j. Indirect Charges			38,749.93		38,749.93
k. TOTALS (sum of 6i and 6j)	\$	\$	\$ 320,668.39	\$	\$ 320,668.39
7. Program Income	\$	\$	\$	\$	\$

SECTION 3 - NON-FEDERAL SOURCES					
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS	
8.	\$	\$	\$	\$	
9.					
10.					
11.					
12. TOTAL (sum of lines 8 - 11)	\$	\$	\$	\$	
SECTION 4 - BUDGETED NEEDS					
Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
13. Federal	\$	\$	\$	\$	
14. NonFederal					
15. TOTAL (sum of lines 13 and 14)					
SECTION 5 - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR MATCHING					
FUTURE FUNDING PERIODS (Years)					
(a) Grant Program	(b) First	(c) Second	(d) Third	(e) Fourth	
16. Dry Creek Plan	\$ 320,668.39	\$	\$	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16-19)	\$ 320,668.39	\$	\$	\$	
SECTION 6 - OTHER FUNDING INFORMATION					
21. Direct Charges:	\$281,918.46	22. Indirect Charges:		\$38,749.93	
23. Remarks:					

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